## YEAR 11 A/D/E – CHEMISTRY (Girls)

# WEEK 11 (8<sup>th</sup> November to 12<sup>th</sup> November)

#### Work Sent to the students through Zoom Learning Platform / Google classroom

Topic:- SC19a: Exothermic and Endothermic reactions

**Resources:** Text book, Worksheet, Board works power point

Date	Торіс	
8.11.20	Learning Objective: (Assessment)	Teacher will
Sunday	To be able to apply the knowledge and understanding of the concepts of	conduct the
8 <sup>th</sup> period	Rates of reaction, Factors affecting reaction rates and Catalysts, to	assessment
-	answer the questions in the assessment.	through
Mode of	Learning Outcome:	Google forms
Teaching:	Students will be able to recall the concepts learned in the previous	and monitor
Zoom	lessons and apply their knowledge and understanding to answer the	the students on
	questions, in the assessment.	Zoom.
9.11.20	Learning Objective:	Teacher uses
Monday	Recall that changes in heat energy accompany the following	powerpoint
4 <sup>th</sup> period	changes: a) salts dissolving in water b) neutralisation reactions	presentation
Mode of	c) displacement reactions d) precipitation reactions and that, when these	with
<b>Teaching:</b>	reactions take place in solution, temperature changes can be measured to	interactive
Zoom	reflect the heat changes	questions
	Learning Outcome:	
	Recall the different types of reactions.	
	Give examples of different types of reactions.	
	Recall the unit of temperature.	
	Understand the difference between heat and temperature.	
	Learning Objective:	Teacher uses
11.11.20	Describe an exothermic change or reaction as one in which heat	power point
Wednesday	energy is given out	presentation
8 <sup>th</sup> period	Describe an endothermic change or reaction as one in which	with
	heat energy is taken in	interactive
Mode of	Learning Outcome:	questions
<b>Teaching:</b>	Understand concept of exothermic and endothermic reactions.	
Zoom	Cites examples of exothermic and endothermic reactions	
	Identify the exothermic and endothermic reactions.	
	Appreciate the use of hot pack and cold pack as examples of exothermic	
	and endothermic reactions respectively.	
12.11.20	Learning Objective:	Teacher uses
Thursday	Draw and label reaction profiles for endothermic and exothermic	power point
5 <sup>th</sup> Period	reactions	presentation
Mode of	Learning Outcome:	with
Teaching:	Develop skill in representing the energy profile using a graph.	interactive
Zoom	Interpret the ideas in graphical questions	questions
12.11.20	Learning Objective: To answer the questions, on Exothermic and	Worksheet
Thursday	Endothermic reactions, in the worksheet.	assigned
6 <sup>th</sup> Period	Learning outcome: Students will be able to reinforce the concepts	through GC.
Mode of	learned in the previous lesson by answering the questions in the	
Teaching:	worksheet.	
GC		

**HOMEWORK:** Complete the textbook Qs SC19a: Exothermic and Endothermic reactions 144 – 145

## YEAR 11 B/C/F - CHEMISTRY (Boys)

### WEEK 11 (8<sup>th</sup> November to 12<sup>th</sup> November)

#### Work Sent to the students through Zoom Learning Platform / Google classroom

Topic:- SC19a: Exothermic and Endothermic reactions

Resources: Text book, Worksheet, Board works power point

Date	Торіс		
8.11.20	Learning Objective: (Assessment)	Teacher will	
Sunday	To be able to apply the knowledge and understanding of the concepts of	conduct the	
1 <sup>st</sup> Period	Rates of reaction, Factors affecting reaction rates and Catalysts, to	assessment	
	answer the questions in the assessment.	through	
Mode of	Learning Outcome:	Google forms	
Teaching:	Students will be able to recall the concepts learned in the previous	and monitor	
Zoom	lessons and apply their knowledge and understanding to answer the	the students on	
	questions, in the assessment.	Zoom.	
8.11.20	Learning Objective:	Teacher uses	
Sunday	Recall that changes in heat energy accompany the following	power	
2 <sup>nd</sup> Period	changes: a) salts dissolving in water b) neutralisation reactions	point	
	c) displacement reactions d) precipitation reactions and that, when these	presentation	
Mode of	reactions take place in solution, temperature changes can be measured to	with	
<b>Teaching:</b>	reflect the heat changes	interactive	
Zoom	Learning Outcome:	questions	
	Recall the different types of reactions.		
	Give examples of different types of reactions.		
	Recall the unit of temperature.		
	Understand the difference between heat and temperature.		
9.11.20	Learning Objective:	Teacher uses	
Monday	Describe an exothermic change or reaction as one in which heat	power point	
3 <sup>rd</sup> Period	energy is given out prese		
	Describe an endothermic change or reaction as one in which with		
	Describe an endothermic change or reaction as one in which	with	
Mode of	Describe an endothermic change or reaction as one in which heat energy is taken in	with interactive	
Mode of Teaching:	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b>	with interactive questions	
<b>Mode of</b> <b>Teaching:</b> Zoom	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions.	with interactive questions	
Mode of Teaching: Zoom	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions	with interactive questions	
<b>Mode of</b> <b>Teaching:</b> Zoom	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions.	with interactive questions	
<b>Mode of</b> <b>Teaching:</b> Zoom	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic	with interactive questions	
Mode of Teaching: Zoom	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively.	with interactive questions	
Mode of Teaching: Zoom	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. <b>Learning Objective:</b>	with interactive questions Teacher uses	
Mode of Teaching: Zoom 10.11.20 Tuesday	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. <b>Learning Objective:</b> Draw and label reaction profiles for endothermic and exothermic	with interactive questions Teacher uses powerpoint	
Mode of Teaching: Zoom 10.11.20 Tuesday 7 <sup>th</sup> Period	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. <b>Learning Objective:</b> Draw and label reaction profiles for endothermic and exothermic reactions	with interactive questions Teacher uses powerpoint presentation	
Mode of Teaching: Zoom 10.11.20 Tuesday 7 <sup>th</sup> Period Mode of	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. <b>Learning Objective:</b> Draw and label reaction profiles for endothermic and exothermic reactions <b>Learning Outcome:</b>	with interactive questions Teacher uses powerpoint presentation with	
Mode of Teaching: Zoom 10.11.20 Tuesday 7 <sup>th</sup> Period Mode of Teaching:	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. <b>Learning Objective:</b> Draw and label reaction profiles for endothermic and exothermic reactions <b>Learning Outcome:</b> Develop skill in representing the <b>energy profile using a graph.</b>	Teacher uses powerpoint presentation with interactive	
Mode of Teaching: Zoom 10.11.20 Tuesday 7 <sup>th</sup> Period Mode of Teaching: Zoom	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. <b>Learning Objective:</b> Draw and label reaction profiles for endothermic and exothermic reactions <b>Learning Outcome:</b> Develop skill in representing the <b>energy profile using a graph.</b> Interpret the ideas in graphical questions.	with interactive questions Teacher uses powerpoint presentation with interactive questions	
Mode of Teaching: Zoom 10.11.20 Tuesday 7 <sup>th</sup> Period Mode of Teaching: Zoom 12.11.20	Describe an endothermic change or reaction as one in which heat energy is taken in Learning Outcome: Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. Learning Objective: Draw and label reaction profiles for endothermic and exothermic reactions Learning Outcome: Develop skill in representing the energy profile using a graph. Interpret the ideas in graphical questions.	with interactive questions Teacher uses powerpoint presentation with interactive questions Worksheet	
Mode of Teaching: Zoom 10.11.20 Tuesday 7 <sup>th</sup> Period Mode of Teaching: Zoom 12.11.20 Thursday	Describe an endothermic change or reaction as one in which heat energy is taken in <b>Learning Outcome:</b> Understand concept of exothermic and endothermic reactions. Cites examples of exothermic and endothermic reactions Identify the exothermic and endothermic reactions. Appreciate the use of hot pack and cold pack as examples of exothermic and endothermic reactions respectively. <b>Learning Objective:</b> Draw and label reaction profiles for endothermic and exothermic reactions <b>Learning Outcome:</b> Develop skill in representing the <b>energy profile using a graph.</b> Interpret the ideas in graphical questions. <b>Learning Objective:</b> To answer the questions, on Exothermic and Endothermic reactions, in the worksheet.	with interactive questions Teacher uses powerpoint presentation with interactive questions Worksheet assigned	

Mode of	learned in the previous lesson by answering the questions in the	
<b>Teaching:</b>	worksheet.	
GC		

**HOMEWORK:** Complete the textbook questions SC19a: Exothermic and Endothermic reactions 144 – 145

## YEAR 11 G/H–CHEMISTRY (IGCSE)

WEEK 11 (8<sup>th</sup> Nov to 12<sup>th</sup> Nov)

#### Work Sent to the students through Google classroom/Zoom Learning Platform Unit 3 – Topic: Acids, Alkalis and Salt Preparations

Resources: Text book, Worksheet, IGCSE science free lesson video, power point.

Date	Lesson	Торіс	Mode of Teaching	
08.11.2020 Sunday	1 11 <b>H</b> 6 <b>11G</b>	ASSESSMENT 3 Learning Outcome: Assess the concepts related to acid, bases and chemical equilibrium.	Google Meet zoom	Google Form questions to assess the concepts of neutralization
09.11.2020 Monday	2 11H 5 11G	Lesson Objective: To calculate an unknown concentration of a solution Learning Outcome: Carry out simple calculations using the results of titrations to calculate an unknown concentration of a solution or an unknown volume of solution required.	Google Meet zoom	Teacher uses a PowerPoint presentation/vide o to teach the calculation of titration related problems.
10.11.2020 Tuesday	3 11H 1 11G	<ul> <li>Lesson Objective: Describe the method of titration to prepare the soluble salt.</li> <li>Learning Outcome: Identify the apparatus used in titration.</li> <li>Write the procedure to prepare the soluble salt.</li> <li>Suggest the safety precautions adopted while carrying out titration.</li> </ul>	Google Meet zoom	Teacher uses a PowerPoint presentation/ video to explain identification of soluble salts.
	411H 2 11G	Lesson Objective: Write balanced chemical equations for the reaction of acids with hydroxides, carbonates and oxides of the listed metals Learning Outcome: Describe the reactions of hydrochloric acid, sulfuric acid and nitric acid with metals, bases and metal carbonates (excluding the	GC	Instruction will be given in the GC room to complete the textbook and worksheet questions on balanced

		reactions between nitric acid and metals) to form salts		chemical equations.
12.11.2020	5 <b>11H</b>	<b>Lesson Objective:</b> Explain the method of making a given salt from a	Google Meet	Teacher uses PowerPoint
Thursday	4 11G	suitable starting material, given appropriate information	/zoom	presentation that contains
		<b>Learning Outcome</b> : Describe an experiment to prepare a pure, dry sample of a soluble salt, starting from an insoluble reactant		questions on methods to prepare salt.

**HOMEWORK:** Complete the textbook questions